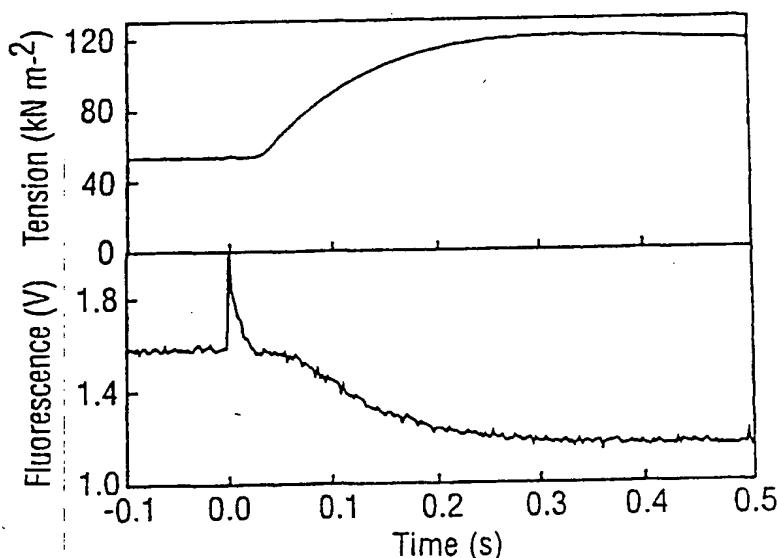




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(54) Title: ASSAYS FOR NUCLEOSIDE DIPHOSPHATES AND TRIPHOSPHATES			



(57) Abstract

Nucleoside diphosphates (NDPs) are detected or measured by following the dephosphorylation of the phosphoenzyme form of nucleoside diphosphate kinase (NDPK), and nucleoside triphosphates (NTPs) are detected or measured by following the phosphorylation of NDPK to its phosphoenzyme form. A typical process involves (a) causing NDP in sample to bind to NDPK phosphoenzyme, or causing NTP in sample to phosphorylate NDPK and (b) detecting a change in a characteristic of the enzyme which differs between its phosphorylated and unphosphorylated forms. This may be aided by labelling the enzyme. Quantitative data can be obtained. Both *in vivo* and *in vitro* measurements can be made.